

## BRIEF DESCRIPTION OF THE DRAWINGS

FIGURE 1 illustrates prior art microtip cathode and grid assemblies;  
FIGURE 2 illustrates a prior art circuit for energizing a microtip cathode;  
FIGURE 3 illustrates a prior art circuit for energizing a microtip cathode;  
FIGURES 4A-4D illustrate construction of an embodiment of the present invention;

FIGURE 5 illustrates a circuit diagram of an embodiment of the present invention;

FIGURE 6 illustrates a circuit diagram of an embodiment of the present invention;

FIGURE 7 illustrates a circuit diagram of an embodiment of the present invention;

FIGURE 8 illustrates a circuit diagram of an embodiment of the present invention; and

FIGURE 9 illustrates a data processing system configured in accordance with the present invention.